



STATE OF MAINE  
DEPARTMENT OF ENVIRONMENTAL PROTECTION

JOHN ELIAS BALDACCI  
GOVERNOR

DAVID P. LITTELL  
COMMISSIONER

<b>CPRC Group, LLC</b>	)	<b>Departmental</b>
<b>Cumberland County</b>	)	<b>Findings of Fact and Order</b>
<b>Scarborough, Maine</b>	)	<b>Air Emission License</b>
<b>A-455-71-K-M</b>	)	<b>Amendment #1</b>

After review of the air emissions license minor revision application, staff investigation reports and other documents in the applicant's file in the Bureau of Air Quality, pursuant to 38 M.R.S.A., Section 344 and Section 590, the Department finds the following facts:

## I. REGISTRATION

### A. Introduction

1. CPRC Group, LLC (CPRC), located in Scarborough, Maine was issued Air Emission License A-455-71-J-R on August 17, 2006, under the name Commercial Paving Co., Inc., permitting the operation of emission sources associated with their asphalt batch plant and mineral processing facility.
2. CPRC has requested a minor revision to their Air Emissions License to reflect the facility's name change.
3. CPRC has also requested that this minor revision include the removal of the licensed asphalt plant and all of its associated equipment from the facility's Air Emission License.
4. CPRC has also requested to reduce the facility's licensed #2 fuel oil restriction for the diesel units from 100,000 gallons per year (gal/yr) to 80,000 gal/yr.

### B. Emission Equipment

CPRC has removed the following equipment:

#### Asphalt Plant

<u>Equipment</u>	<u>Production Rate (tons/hr)</u>	<u>Maximum Capacity (MMBtu/hr)</u>	<u>Date of Manufacture</u>	<u>Control Device</u>	<u>Stack #</u>
Kiln	100	43.5	1988	Baghouse	1
H-14 Hot Oil Heater	na	2.1	1988	na	H-14

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## B. Application Classification

The modification of a minor source is considered a major modification based on whether or not expected emission increases exceed the “Significant Emission Levels” as defined in the Department’s regulations. The removal of the asphalt plant and associated equipment will result in a reduction in emissions of all regulated pollutants, therefore this application is considered to be a minor modification of a minor source and has been processed as such according to Maine’s rule, *Major and Minor Source Air Emission License Regulations*, 06-096 CMR 115 (last amended December 24, 2005).

## II. BEST PRACTICAL TREATMENT (BPT)

### A. Minor Revision Description

1. CPRC has requested this minor revision to reflect that the facility has undertaken a name change from Commercial Paving Co., Inc. (Commercial Paving) to CPRC Group, LLC.
2. CPRC’s current Air Emission License (A-455-71-J-R) includes the operation of an asphalt batch plant with a production rate of 100 tons/hr and design firing rate of 43.5 MMBtu/hr firing #2 fuel and specification waste oil. CPRC’s Air Emission License also includes a hot oil heater, designated H-14 Hot Oil Heater, which is utilized to heat the asphalt in the asphalt storage tank. H-14 Hot Oil Heater heats a heavy oil that is then circulated through heat exchange tubing in the storage tank keeping the asphalt in a liquid state. H-14 Hot Oil Heater has a maximum design heat input capacity of 2.1 MMBtu/hr firing #2 fuel oil. CPRC sold the unit and the associated equipment, including the hot oil heater to Shaw Brothers Construction, Inc. (Shaw Brothers). The equipment is now licensed by Shaw Brothers under Air Emission License A-972-71-A-T. CPRC has applied to the Department to have this equipment permanently removed from their Facility’s Air Emission License.
3. CPRC’s current license establishes a total annual fuel use in the diesel units and hot oil heater combined of no greater than 100,000 gallons per year of #2 fuel oil with a sulfur content of no greater than 0.3% sulfur by weight on a calendar year basis. This limit was based on the assumption that 85% of the total #2 fuel oil allowed fired in the diesel units and 15% of the total #2 fuel oil allowed fired in the hot oil heater. Now that the hot oil heater has been removed, CPRC expects that this limit should be corrected as well. CPRC has also requested to reduce the facility’s licensed #2 fuel oil restriction for the diesel units from 100,000 gal/yr to 80,000 gal/yr. The Department has also determined that #2 fuel oil that meets the sulfur content criteria of ASTM D396 (0.5% sulfur by weight) satisfies BPT.

#### B. Corrected Emissions Calculations

Upon the removal of the asphalt plant and associated equipment, the Department recalculated CPRC's annual emissions. The corrected annual emissions are as follows:

#### Total Allowable Annual Emission for the Facility

Pollutants	Diesel Unit Emissions (Ton/yr)
PM	1.7
PM <sub>10</sub>	1.7
SO <sub>2</sub>	1.6
NO <sub>x</sub>	24.7
CO	5.3
VOC	2.0

The Emissions Calculations are based on the following fuel restrictions:

- Total annual fuel use in the diesel units and hot oil heater combined shall not exceed 80,000 gal/yr of #2 fuel oil on a calendar year basis.

### III. AMBIENT AIR QUALITY ANALYSIS

According to *Major and Minor Source Air Emission License Regulations*, 06-096 CMR 115 (last amended December 1, 2005), the level of air quality analyses required for a minor source shall be determined on a case-by case basis. Based on the information available in the file, and the similarity to existing sources, Maine Ambient Air Quality Standards (MAAQS) will not be violated by this source. Based on the total facility emissions, CPRC is below the emissions level required for modeling and monitoring.

### ORDER

The Department hereby grants Air Emission License Amendment A-455-71-K-M, subject to the conditions found in Air Emission License A-455-71-J-R and in addition to the following conditions:

**Conditions (16) and (20) in Air Emission License A-455-71-J-R shall no longer be applicable.**

CPRC Group, LLC  
Cumberland County  
Scarborough, Maine  
A-455-71-K-M

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The following condition shall replace Condition (18) in Air Emission License A-455-71-H-M/R:

(18) Diesel Unit Fuel Restriction

- A. CPRC shall be restricted to firing no greater than 80,000 gal/yr of #2 fuel oil on a calendar year basis in the facility's diesel units. The #2 fuel oil fired in the CPRC diesels shall meet the sulfur content criteria in ASTM D396 for #2 fuel oil. [06-096 CMR 115, BPT]
- B. In order to demonstrate compliance with the above fuel restriction and sulfur criteria requirement, CPRC shall maintain a fuel use record which shall include fuel receipts showing the quantity of fuel delivered and certification indicating that the fuel meets the ASTM D396 sulfur content requirements. The fuel use record shall be maintained on a monthly and calendar year basis.

DONE AND DATED IN AUGUSTA, MAINE THIS 14th DAY OF May 2009.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

BY: James P. Brophy  
DAVID P. LITTELL, COMMISSIONER

PLEASE NOTE ATTACHED SHEET FOR GUIDANCE ON APPEAL PROCEDURES

This Amendment shall expire concurrently with Air Emission License A-455-71-J-R.

Date of initial receipt of application: March 17, 2009

Date of application acceptance: March 18, 2009

Date filed with the Board of Environmental Protection: \_\_\_\_\_

This Order prepared by, Peter G. Carleton, Bureau of Air Quality

